

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. APPLN. NO.: 10/632,919

### REMARKS

Claims 1-4, 6-17 and 19-27 are all the claims pending in the application. Claims 14-16, 19, 20, 22 and 24 have been withdrawn from consideration pursuant to Applicant's election of Group I. Claims 1-13, 17, 18, 21, 23 and 25-27 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Claims 1-10, 17, 18 and 25-27 are rejected under 35 U.S.C. § 102(3) as being anticipated by Dautartas *et al.* (U.S. Patent No. 6,582,548; hereinafter "Dautartas"). Claims 21 and 23 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Dautartas in view of Ainslie *et al.* (U.S. Patent No. 4,534,811; hereinafter "Ainslie"). Claims 11-13 would be allowable if rewritten to overcome the rejections under § 112, second paragraph, and to include all of the limitations of the base claim and any intervening claims. Applicant submits the arguments below in traversal of the claim rejections.

Claims 1-13, 17, 18, 21, 23 and 25-27 are believed to comply with § 112, second paragraph.

#### Rejection of Claims 1-10, 17, 18 and 25-27 under § 102(3) by Dautartas

Claim 1 has been amended to include the subject matter of claim 5.

Applicant respectfully submits that claim 1 is believed to be patentable because Dautartas fails to disclose or suggest a compression bonding method wherein the light provides activating energy which allows an interaction between the layer and the element approximately at room temperature, in combination with other elements of the claim. Rather, Dautartas discloses having a bonding temperature at tip 16 of 1250° C (col. 2, lines 39-40), which is nowhere near room temperature. Therefore, claim 1 is believed to be patentable.

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Claims 2, 3, 6-10, 25 and 26, which depend from claim 1, are patentable for at least the reasons submitted for claim 1.

Claim 4 is rewritten in independent form.

Applicant respectfully submits that claim 4 is believed to be patentable because Dautartas fails to disclose a compression bonding method wherein the light is irradiated on the bonding area for a predetermined time after the application of pressure, in combination with other elements of the claim. Applicant requests the Examiner to point out where Dautartas disclose the predetermined time aspect of the claim.

Likewise, claim 17 is amended to incorporate the subject matter of claim 18 reciting the room temperature aspect of the invention.

For reasons similar to those submitted for claim 1, claim 17 is believed to be patentable.

Claim 27, which depends from claim 17, is believed to be patentable for at least the reasons submitted for claim 17.

Rejection of Claims 21 and 23 under § 103(a) over Dautartas in view of Ainslie

Claims 21 and 23 are rewritten in independent form.

Applicant submits that claims 21 and 23 are believed to be patentable because Dautartas and Ainslie fail to teach, suggest or provide motivation for a compression bonding method wherein the light is substantially in the UV wavelength range. In the Office Action, the Examiner concedes that Dautartas fails to disclose the light substantially in the UV wavelength range, but appears to argue that Ainslie discloses CO<sub>2</sub> laser, and thus, inherently discloses light substantially in the UV wavelength range.

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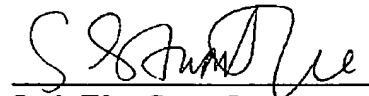
To the contrary, CO<sub>2</sub> laser typically outputs at 9 to 11  $\mu$ m wavelengths in the infrared portion and does not have any output at the UV wavelength range. Therefore, claims 21 and 23 are believed to be patentable.

Allowable claim 11 is rewritten in independent form by adding the subject matter of claim 1.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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